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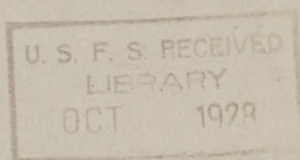


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FOREST PRODUCTS RESEARCH IN PICTURES

NO. 35

# SODIUM FLUORIDE AN EFFECTIVE PULP PRESERVATIVE



FOREST PRODUCTS LABORATORY  
U. S. FOREST SERVICE  
MADISON, WISCONSIN

The upper photograph shows laps of untreated groundwood pulp discolored by molds and crumbling with decay after being stored in a damp basement for six months.

The lower photograph shows groundwood pulp which is clean and uninfected even after being inoculated with a mixture of fungi and stored for 2 years — more than twice the average storage period — in a shed where conditions were very favorable for decay. These laps had been treated with 54.7 pounds of sodium fluoride to the ton of dry pulp.

Commercial tests have shown that the growth of fungi and molds can be effectively retarded with as little as 16 pounds of sodium fluoride to the ton of pulp at a cost of about \$1.90 per ton. The cost of sorting good from infected pulp alone may exceed this figure by from fifty cents to a dollar per ton, not to mention the actual cost of the decayed pulp.

*( Photograph by Forest Products Laboratory,  
U. S. Forest Service )*



